

e-Call Battery Solutions



Working with all OEM and Tier 1 automotive customers, TWS provides wide range solutions with highly competitive as well as performance driven.

Why TWS?

- High-performance and high-stability solutions
- Proven track records with global automotive OEMs and Tier 1 customers
- Global FAE engineering teams serve customer needs at their locations
- Built in quality and superior end-to-end quality assurance process achieve zero defects



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Scheme	Solution A	Solution B	Solution C	Solution D-2S
EE Solution	PTC	IC+MOS	IC+SCP Fuse	IC + MOS + Fuse
Configuration	1P1S	1P1S	1P1S	1P2S
Nominal capacity	2000 mAh	2000 mAh	2000 mAh	2000 mAh
Minimum capacity	1950 mAh	1950 mAh	1950 mAh	1900 mAh
Nominal voltage	3.6 V	3.6 V	3.6 V	7.2 V
Max. continuous charge current	300 mA	300 mA	300 mA	300 mA
Max. continuous discharge current	2.6 A 4.0A/2ms	4 A 10 A/2 ms	4 A 10 A/2 ms	2 A 3 A/57 ms
Charge operation temperature	0°C~60°C 0~10°C, 0.2 C to 4.10 V 10~45°C, 0.5 C to 4.20 V 45~60°C, 0.5 C to 4.10 V	0°C~60°C 0~10°C, 0.2 C to 4.10 V 10~45°C, 0.5 C to 4.20 V 45~60°C, 0.5 C to 4.10 V	0°C~60°C 0~10°C, 0.2 C to 4.10 V 10~45°C, 0.5 C to 4.20 V 45~60°C, 0.5 C to 4.10 V	0°C~60°C 0~10°C, 0.2 C to 8.20 V 10~45°C, 0.5 C to 8.35 V 45~60°C, 0.5 C to 8.20 V
Discharge operation temperature	-40°C~85°C 0~85°C, 2.75 V -20~0°C, 2.50 V -40~-20°C, 2.00 V	-40°C~85°C 0~85°C, 2.75 V -20~0°C, 2.50 V -40~-20°C, 2.00 V	-40°C~85°C 0~85°C, 2.75 V -20~0°C, 2.50 V -40~-20°C, 2.00 V	-40°C~85°C 0~85°C, 5.50 V -20~0°C, 5.00 V -40~-20°C, 4.00 V
Storage Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C	-40°C~85°C
Cycle life	>300	>300	>300	>300